

(57) Abstract: The present invention relates to methods and materials for in vivo repair of cartilage or bone and cartilage defects in mammals. The invention relates to membranes carrying a composition comprising at least one stimulation molecule, which is capable of inducing signal transduction in chondroblasts/chondrocytes and/or osteoblasts/osteocytes. Furthermore the invention relates to a method for the preparation of chondroblasts/chondrocytes and/or osteoblasts/osteocytes suspensions.

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